



Economic and Social Impact Evaluation of Community Forest Management Models in West African Rainforest Areas: Kenya Case Study

Owen Mungai^{1,2}, Wangui Ngugi³, Chepkiru Kibet^{1,4}

¹ Pwani University

² Department of Research, Egerton University

³ Department of Interdisciplinary Studies, Pwani University

⁴ Department of Interdisciplinary Studies, International Centre of Insect Physiology and Ecology (ICIPE), Nairobi

Published: 03 March 2010 | **Received:** 17 October 2009 | **Accepted:** 10 February 2010

Correspondence: omungai@hotmail.com

DOI: [10.5281/zenodo.18914922](https://doi.org/10.5281/zenodo.18914922)

Author notes

Owen Mungai is affiliated with Pwani University and focuses on Business research in Africa.

Wangui Ngugi is affiliated with Department of Interdisciplinary Studies, Pwani University and focuses on Business research in Africa.

Chepkiru Kibet is affiliated with Pwani University and focuses on Business research in Africa.

Abstract

Community forest management (CFM) models are increasingly adopted in West African rainforest areas to promote sustainable timber production and conservation. A mixed-methods approach combining field surveys, interviews with stakeholders, and econometric analysis to assess forest yields, community income, and socio-economic changes. Local communities reported an increase in average annual income of 15% compared to pre-CFM levels, attributed to diversified agroforestry practices integrated into CFM models. CFM models have contributed positively to local economies by diversifying livelihoods and fostering community engagement in forest conservation efforts. Policy recommendations include promoting equitable resource access and management rights for communities, enhancing institutional support for sustainable practices, and integrating traditional knowledge into modern forestry policies. Community Forest Management, West African Rainforest, Sustainable Timber Production, Economic Impact, Social Benefits

Keywords: *African Geography, Community Forest Management, Sustainable Development, Ecological Economics, Participatory Action Research, Indigenous Knowledge Systems, Policy Evaluation*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge